

# CAESAR PROPULSION CONTROL SYSTEM - CPP



**KWANT CONTROLS**  
s n e e k - h o l l a n d



CAESAR Propulsion Control Systems (PCS) are configurable to suit nearly all types of Controllable Pitch Propellers (CPP), engines, e-motors and gearbox combinations, on all types of (hybrid) vessels. For different applications, the PCS-systems can be tailored with different operating modes. The different modes enhance the control for different circumstances like sailing, transit, manoeuvring and optimize energy consumption, thrust response and drag to ultimately improve the operating comfort.

The CAESAR closed loop control integrates all required functionality to prevent the engine from stalling and performing outside the engine operating envelope, like: running curves, load control and combined pitch & RPM control. Furthermore, systems are fitted with separate back-up control for local and emergency operations.

## Optional functions:

- Extendable with additional control stations
- Motorized levers/electrical shaft functionality
- Haptic feedback
- Custom-defined panel layouts
- Engine Start-Stop control and interlock function
- Alarming and logging (HMI)
- Parameter adjustment
- Synchronization for multiple propellers
- External interfacing (DP, AP, VDR, etc.)
- Indication (HMI)
- Joystick control

*Also available Fixed Pitch Propeller, Rudder, Azimuth and Transvers thrusters control systems, ask for all possibilities.*

All systems are built to suit customer requirements and according to the rules and regulations of classification societies. Systems are composed of Kwant Controls components and high-quality Commercial-Off-The-Shelf hardware.



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